Sectt. II-27—36,006—30-10-37.

Public works **(1938) Department.**

MS. **SERIES.**

G.O. No: 1105

DATED 3 - 6 - 1938.

[Despatch Abstract.]

Buildings - Bellary - Headquarters Hospital - Provision of drainage arrangements - Revised estimate - Rs.7,925/- Approved.

C.F. 30.

Public Works **DEPARTMENT.**

Received ..... 19 *Registered* 19

Subject. 2169

W/V

Buildings - Headquarters Hospital - Bellary - Linking up the Hospital drainage system with the Bellary (Brucepet) Municipal drainage.

Ref:- G.O. MS.No. 2217 P.W.D. dated 30th October 1937.

(L)

ENCLOSURES.
No. .....
.....
Spare copies .....

No. 1673. ~~1437~~ Wks/37-1

Station Chepauk, Madras., *Dated the* 12th May 1938.

From (Name) H.R. Dogra, Esq., B.Sc.,
(Designation) Chief Engineer, P.W.D., General, Buildings and Roads.

To The Secretary to the Government of Madras,
Public Works Department.

Sir,

I forward herewith a revised estimate amounting to Rs. 7,825/- for the above scheme for the approval of Government, in supersession of the estimate for Rs.6,500/- approved in G.O. No. 2217 dated 30th October 1937. The previous estimate, which was prepared by the Superintending Engineer, Madras Circle in consultation with the Sanitary Engineer, provided for R.C.Hume pipe sewer. As concrete pipes should not be used for sewers, especially to carry the sewage of a hospital, I instructed the

Superintending

Superintending Engineer to substitute stoneware pipes for Hume pipes. The Superintending Engineer has now revised the estimate accordingly. The excess is mainly due to this only.

for Chief Engineer, P.W.D.

Encls:-

1 Original detailed estimate in 31 sheets.

1 revised estimate for Rs. 7,825/- with report, abstract and comparative statement in 4 sheets (duplicate)

CRS./12-5-38.

Report to accompany the Revised Estimate for "Bellary Head Quarters Hospital Drainage System"

Estimate Rs.7825/-.

In the Superintending Engineer's No.897 By dated 30-11-35 plan and estimates for a proper drainage system for the Head Quarters Hospital Bellary, were asked to be prepared, on the Surgeon General's reference No.1402 G dated 5-11-35. The drainage at present is allowed to collect in a well at the South East corner of the Hospital compound. It is periodically baled out and spread over the adjacent area. This defective system makes it impossible to keep the Hospital free from a plague of flies and smell as reported by the District Medical Officer, Bellary. It is therefore proposed to link up the Hospital drainage with the scheme for the Brucepet area by laying an underground sewer from the Hospital compound and connecting it up with the main sewer of the Brucepet Drainage scheme.

Index plan No.1 shows the alignment of the Hospital sewer. The underground sewer will be 2200 feet long and will be jointed on to the M.H. 15 of the main sewer. It is proposed to lay a sewer 9" dia. of stone ware pipes with a gradient of 1/165 vide separate calculations. Trial pits were dug along the line of this sewer and the quantities of earthwork calculated on the basis of the soil and sub-soil met with vide plan No.2. An L.S. of the sewer is shown in plan No.3.

Man Holes. are proposed to be constructed at all bends and at intervals of not exceeding 300 feet. There are 8 of them varying from 3' to 8' in depth. Type Design B.No.94/1936 has been followed vide Blue print attached.

Ventilators.4" steel ventilators 20'-0" high are

Drain junction and overflow. At the commencement of the sewer in the Hospital a drain junction will be constructed to lead the sullage into the manhole at commencement on the storm water by means of an overflow drain into the natural drainage course on the road side. The drain junction and overflow are separately estimated for and detailed drawings prepared vide plans Nos. 4 and 5.

Flush tank. As the daily consumption in the Hospital is only 1500 gallons of water, the velocity of flow in the underground sewer will not be self-cleansing. Therefore it is proposed to construct a flush tank of 500 gallons capacity at the head of the sewer. A separate estimate with detailed drawing (plan No.6) is prepared.

Auxiliary works: The sewer from the Hospital crosses two culverts one at L.S.203 and the other at L.S. 2142. It is proposed to dismantle the abutments and piers at these crossings and put in C.I. pipes and rebuild them in cement mortar. The crossings do not affect the discharge in the storm water channels. Detailed drawings (vide plan Nos. 7 and 8) and estimates are prepared for these.

Relaying Road. The Sewer crosses the Anantapur road between L.S.60 and 95 Necessary provision for relaying the road with the requisite metal and gravel has been made.

sd. H.S. Taylor,
Exe.Engr.Bellary Divn.

1/21

Executive Engineer,
Bellary Division.

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22/3/38

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3/6

DRAFT FOR APPROVAL.

	Date.	Initials.
When received for fair copying ..		
When copied ..		
When examined..		
When signed ..		
When despatched.		

SUBJECT:—

Building. Bellary Headquarters Hospital - Provision of drainage arrangements - ~~Expenditure~~ Revised estimate Rs 7825/- ~~6500/-~~ Approved

(1) READ AGAIN Gpo No. 2217 PW, dated 30.10.37 19

" " " " 19

READ *ALSO*:—

No. 2165 From the ~~SE~~ CE (GE BBR) No. 1473 Wks/37 dated 12.5.38 19

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" " " " 19

Order / ~~Resolution~~ Ms. / ~~Rout.~~ No. 1105, dated 3.6. 19 38

The Govt. approve an expenditure of Rs 7825/- (Rupees seven thousand eight hundred and twenty five) on the provision of an underground drainage system with flush out tanks for the Headquarters Hospital at Bellary in supersession of the estimate of Rs 6500/- approved for the work in Go. No. 2217 PW dt 30.10.37

2. The work may be carried out in the current year from the lump sum provision for minor works under "50 a Civil Works. Original works. Building - Medical"

P.W.E.

1. CE (GE BBR) with original & revised estimate
S.E. Hqrs & H.O.

27/5

28.5.38

20/5

31/5

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